

Joe Gerhard

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SKILLS

Languages: JavaScript, TypeScript, HTML/CSS, Python, C#, SQL, Swift
Technologies: React, Redux, Node.js, Express, styled-components, XML, JSON, CSV
Other: Firebase, Mongo.DB, Bash, GitHub, Agile, Windows, Mac OS

PROJECTS

MTG Limited Draft Pick-Order Utility mtg-pick-order.herokuapp.com

- Applied Atomic Design principles to achieve a fast, scalable, user-friendly UI using React and styled-components resulting in an easy-to-use modern SPA.
- Configured a state-management system using Redux and React-Hooks resulting in improved scalability.
- Implemented login/logout functionality using Google Oauth2.0 providing secure user authentication
- Wrote an external application to parse MTGJSON's massive JSON file, format the derived data, and seed the MongoDB cloud database, resulting in dramatically increased lookup times over a 3rd party API.
- Designed a RESTful backend API using Node.js and Express to serve the React frontend.

G2G (Gotta Go) g2g-gottago.herokuapp.com

- Applied mobile-first design principles using React and CSS-modules resulting in a simple, clean UI.
- Worked in an agile environment with multiple UX designers and developers.
- Consumed a GraphQL backend using Apollo resulting in more efficient API calls than a RESTful API.
- Implemented Google Maps API to locate and display a user on a map and find/filter nearby bathrooms with accessibility concerns in mind.

Solitaire joe-gerhard.github.io/Solitaire

- Implemented DOM manipulation techniques to build a simple, clean solitaire application using vanilla JavaScript.

EXPERIENCE

Freelance Web Developer 2019-current

- Became fluent in version control procedures with Git and Github, including creating/closing issues, creating/reviewing/merging pull requests, and good branch management
- Regularly worked in a distributed team environment with frequent text, voice, and video communications with other developers

Software Engineering Fellow General Assembly June 2019 - October 2019

- Participated in a full-time immersive Software Engineering course, completing in-class projects, hackathons, and personal projects focused on real-world applications of web development principles.
- Developed a portfolio of full-stack web applications using multiple web development languages, frameworks, APIs, and design paradigms.

EDUCATION

General Assembly | Austin, TX

Software Engineering Certificate

Arizona State University | Tempe, AZ

Architecture | 4 Semesters completed

Mesa Community College | Mesa, AZ

Audio Production Technologies | 2 Semesters completed